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## RAW SEQUENCE LISTING

DATE: 05/28/2004

PATENT APPLICATION: US/09/856,812A

TIME: 15:21:04

Input Set : A:\L0461.70115US00.txt

Output Set: N:\CRF4\05282004\I856812A.raw

3 <110> APPLICANT: Huang, Lan-Qing  
 4 Van Pel, Aline  
 5 Brasseur, Francis  
 6 De Plaen, Etienne  
 7 Boon, Thierry  
 9 <120> TITLE OF INVENTION: Tumour Rejection Antigens  
 11 <130> FILE REFERENCE: L0461.70115US00  
 13 <140> CURRENT APPLICATION NUMBER: US 09/856,812A  
 14 <141> CURRENT FILING DATE: 2001-05-25  
 16 <150> PRIOR APPLICATION NUMBER: GB 9826143.1  
 17 <151> PRIOR FILING DATE: 1998-11-27  
 19 <160> NUMBER OF SEQ ID NOS: 57  
 21 <170> SOFTWARE: PatentIn Ver. 3.2  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 369  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Homo sapiens  
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 33 20 25 30  
 35 Ala Val Glu Glu Asp Ala Ser Ser Ser Thr Ser Thr Ser Ser Ser Phe  
 36 35 40 45  
 38 Pro Ser Ser Phe Pro Ser Ser Ser Ser Ser Ser Ser Ser Cys Tyr  
 39 50 55 60  
 41 Pro Leu Ile Pro Ser Thr Pro Glu Glu Val Ser Ala Asp Asp Glu Thr  
 42 65 70 75 80  
 44 Pro Asn Pro Pro Gln Ser Ala Gln Ile Ala Cys Ser Ser Pro Ser Val  
 45 85 90 95  
 47 Val Ala Ser Leu Pro Leu Asp Gln Ser Asp Glu Gly Ser Ser Ser Gln  
 48 100 105 110  
 50 Lys Glu Glu Ser Pro Ser Thr Leu Gln Val Leu Pro Asp Ser Glu Ser  
 51 115 120 125  
 53 Leu Pro Arg Ser Glu Ile Asp Glu Lys Val Thr Asp Leu Val Gln Phe  
 54 130 135 140  
 56 Leu Leu Phe Lys Tyr Gln Met Lys Glu Pro Ile Thr Lys Ala Glu Ile  
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 59 Leu Glu Ser Val Ile Lys Asn Tyr Glu Asp His Phe Pro Leu Leu Phe  
 60 165 170 175  
 62 Ser Glu Ala Ser Glu Cys Met Leu Leu Val Phe Gly Ile Asp Val Lys  
 63 180 185 190  
 65 Glu Val Asp Pro Thr Gly His Ser Phe Val Leu Val Thr Ser Leu Gly

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72 225          230          235          240
74 Thr Pro Glu Glu Val Ile Trp Glu Ala Leu Asn Met Met Gly Leu Tyr
75          245          250          255
77 Asp Gly Met Glu His Leu Ile Tyr Gly Glu Pro Arg Lys Leu Leu Thr
78          260          265          270
80 Gln Asp Trp Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro Gly
81          275          280          285
83 Ser Asp Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala His Ala
84          290          295          300
86 Glu Ile Arg Lys Met Ser Leu Leu Lys Phe Leu Ala Lys Val Asn Gly
87 305          310          315          320
89 Ser Asp Pro Arg Ser Phe Pro Leu Trp Tyr Glu Glu Ala Leu Lys Asp
90          325          330          335
92 Glu Glu Glu Arg Ala Gln Asp Arg Ile Ala Thr Thr Asp Asp Thr Thr
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114 Ala Glu Glu Gln Lys Ala Ala Ser Ser Ser Ser Thr Leu Ile Met Gly
115          35          40          45
117 Thr Leu Glu Glu Val Thr Asp Ser Gly Ser Pro Ser Pro Pro Gln Ser
118          50          55          60
120 Pro Glu Gly Ala Ser Ser Leu Thr Val Thr Asp Ser Thr Leu Trp
121 65          70          75          80
123 Ser Gln Ser Asp Glu Gly Ser Ser Ser Asn Glu Glu Gly Pro Ser
124          85          90          95
126 Thr Ser Pro Asp Pro Ala His Leu Glu Ser Leu Phe Arg Glu Ala Leu
127          100          105          110
129 Asp Glu Lys Val Ala Glu Leu Val Arg Phe Leu Leu Arg Lys Tyr Gln
130          115          120          125
132 Ile Lys Glu Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Ile Lys
133          130          135          140
135 Asn Tyr Lys Asn His Phe Pro Asp Ile Phe Ser Lys Ala Ser Glu Cys
136 145          150          155          160
138 Met Gln Val Ile Phe Gly Ile Asp Val Lys Glu Val Asp Pro Ala Gly
139          165          170          175

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141 His Ser Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp Gly Leu
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144 Leu Gly Asp Asp Gln Ser Thr Pro Lys Thr Gly Leu Leu Ile Ile Val
145                               195                               200                               205
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166 tgtccccctc ccctgcccac cccccccccc ccccccgcca aatgtctgct ccttctgtca 180
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168 gtctcagggg ggtgaggacc ttggtctgag ggttgctaag aagttattac aggggtccac 300
169 acttggtcaa cagagggagg agtcccagaa tctgcaggac ccaaggggtg cccctttagt 360
170 gaggactgga ggtacctgca gccacagaaag aagggatgtc acagagtctg gctgtcccct 420
171 gttcttagct ctgagggggac ctgatcagga ttggcactaa gtggcaagct caattttacc 480
172 acaggcagga agatgaggaa ccctcagggg aatggagtgt ttggtgtaaag gggagatatc 540
173 agccctggac accccacagg gatgacagga tgtggctcct tcttactttt gttttggaat 600
174 ctcagggagg tgagaacctt gctctcagag ggtgactcaa gtcaacacag ggaacccctc 660
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179 cagagggagg gtcccagacc ctgccaggag tcaaggtgag gactgagggg acaccattct 960
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197 cacactccca cctgctaccc tgatcagagt catc atg cct cga gct cca aag cgt 1975

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265 tat ggg gag ccc agg aag ctg ctc acc caa gat tgg gtg cag gaa aac 2791
266 Tyr Gly Glu Pro Arg Lys Leu Leu Thr Gln Asp Trp Val Gln Glu Asn
267          265          270          275
269 tac ctg gag tac cgg cag gtg cct ggc agt gat cct gca cgg tat gag 2839
270 Tyr Leu Glu Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala Arg Tyr Glu
271 280          285          290          295
273 ttt ctg tgg ggt cca agg gct cat gct gaa att agg aag atg agt ctc 2887
274 Phe Leu Trp Gly Pro Arg Ala His Ala Glu Ile Arg Lys Met Ser Leu
275          300          305          310
277 ctg aaa ttt ttg gcc aag gta aat ggg agt gat cca aga tcc ttc cca 2935
278 Leu Lys Phe Leu Ala Lys Val Asn Gly Ser Asp Pro Arg Ser Phe Pro
279          315          320          325
281 ctg tgg tat gag gag gct ttg aaa gat gag gaa gag aga gcc cag gac 2983
282 Leu Trp Tyr Glu Glu Ala Leu Lys Asp Glu Glu Glu Arg Ala Gln Asp
283          330          335          340
285 aga att gcc acc aca gat gat act act gcc atg gcc agt gca agt tct 3031
286 Arg Ile Ala Thr Thr Asp Asp Thr Thr Ala Met Ala Ser Ala Ser Ser
287          345          350          355
289 agc gct aca ggt agc ttc tcc tac cct gaa taa agtaagacag attcttcact 3084
290 Ser Ala Thr Gly Ser Phe Ser Tyr Pro Glu
W--> 291 360          365          370
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296 gatattgtat attacaaaac agctagaagg aaggcttttc aatattgtca ccaaaaagaa 3324
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298 tgaatcagaa catcaaattg tacctcataa atatctacaa ttacatgtca gtttttgttt 3444
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311 aggtgagaac cttgctctca gagggtgact caagtcaaca caggaacccc ctcttttcta 180
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320 tagatcaatc tgatgagggc tccagcagcc aaaaggagga gagtccaagc accctacagg 720
321 tcttgccaga cagtgagtct ttaccagaa gtgagataga tgaaaagggt actgatttgg 780
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**VERIFICATION SUMMARY**

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TIME: 15:21:05

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Output Set: N:\CRF4\05282004\I856812A.raw

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